

## CLAIMS

### What is claimed is:

- 1 1. A method of computing comprising:  
2 analyzing a data processing specification having a plurality data processing  
3 cell specifications with each data processing cell specification containing a formula  
4 specifying an action or computation;  
5 determining execution order of said actions/computations specified by said  
6 data processing cell specifications; and  
7 effectuating the data processing specified by the data processing  
8 specification in accordance with the determined execution order of said  
9 actions/computations specified by said data processing cell specifications.
- 1 2. The method of claim 1, wherein each of said data processing cell  
2 specifications is delineated by a beginning and an ending data processing cell  
3 specification tag.
- 1 3. The method of claim 1, wherein said data processing cell specifications  
2 comprise a first and a second data processing cell specification with the second cell  
3 data processing specification having a formula referencing a value of said first data  
4 processing cell specification.
- 1 4. The method of claim 1, wherein one or more of said data processing cell  
2 specifications comprise one or more attribute specifications specifying one or more  
3 attributes of the data processing cell specifications.

1 5. The method of claim 4, wherein said data processing cell specifications  
2 comprise a first and a second data processing cell specification with the second cell  
3 data processing specification having an attribute referencing said first data  
4 processing cell specification.

1 6. The method of claim 1, wherein a first of said data processing cell  
2 specification comprises a reserved mnemonic for providing input to the data  
3 processing specified by the data processing specification.

1 7. The method of claim 1, wherein a first of said data processing cell  
2 specification is a reserved output cell specification specifying output of the data  
3 processing specified by the data processing specification.

1 8. The method of claim 1, wherein a first of said data processing cell  
2 specification comprises a conditionally executed formula.

1 9. The method of claim 1, wherein said data processing specification further  
2 includes one or more global attributes specifying one or more global processing  
3 characteristics for the specified data processing.

1 10. The method of claim 9, wherein said one or more global attributes include a  
2 global attribute specifying a format for providing the specified data processing with  
3 an HTTP request.

1 11. An apparatus comprising:

2 at least one storage unit having stored thereon programming instructions  
3 designed to  
4 analyze a data processing specification having a plurality data  
5 processing cell specifications with each data processing cell specification  
6 containing a formula specifying an action or computation,  
7 determine execution order of said actions/computations specified by  
8 said data processing cell specifications, and  
9 effectuate the data processing specified by the data processing  
10 specification in accordance with the determined execution order of said  
11 actions/computations specified by said data processing cell specifications;  
12 and  
13 at least one processor coupled to said at least one storage unit to execute  
14 said programming instructions.

1 12. The apparatus of claim 11, wherein the programming instructions are  
2 designed to recognize delineation of each of said data processing cell specifications  
3 by a beginning and an ending data processing cell specification tag.

1 13. The apparatus of claim 11, wherein said programming instructions are  
2 designed to support a first of said data processing cell specifications having a  
3 formula referencing a value of a second of said data processing cell specifications.

1 14. The apparatus of claim 11, wherein said programming instructions are  
2 designed to support one or more of said data processing cell specifications having  
3 one or more attribute specifications specifying one or more attributes of the data  
4 processing cell specifications.

1 15. The apparatus of claim 14, wherein said programming instructions are  
2 designed to support said data processing cell specifications having a first and a  
3 second data processing cell specification with the second cell data processing  
4 specification having an attribute referencing said first data processing cell  
5 specification.

1 16. The apparatus of claim 11, wherein said programming instructions are  
2 designed to support a first of said data processing cell specification having a  
3 reserved mnemonic for facilitating provision of input to the data processing specified  
4 by the data processing specification.

1 17. The apparatus of claim 11, wherein said programming instructions are  
2 designed to support a first of said data processing cell specification being a  
3 reserved output cell specification specifying output of the data processing specified  
4 by the data processing specification.

1 18. The apparatus of claim 11, wherein said programming instructions are  
2 designed to support a first of said data processing cell specification having a  
3 conditionally executed formula.

1 19. The apparatus of claim 11, wherein said programming instructions are  
2 designed to support said data processing specification having one or more global  
3 attributes specifying one or more global processing characteristics for the specified  
4 data processing.

1 20. The apparatus of claim 19, wherein said programming instructions are  
2 designed to support one of said one or more of global attributes being a global  
3 attribute specifying a format for providing the specified data processing with an  
4 HTTP request.

1 21. An apparatus comprising:  
2 means for analyzing a data processing specification having a plurality  
3 data processing cell specifications with each data processing cell  
4 specification containing a formula specifying an action or computation;  
5 means for determining execution order of said actions/computations  
6 specified by said data processing cell specifications; and  
7 means for effectuating the data processing specified by the data  
8 processing specification in accordance with the determined execution order  
9 of said actions/computations specified by said data processing cell  
10 specifications.

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